

FIG. 1

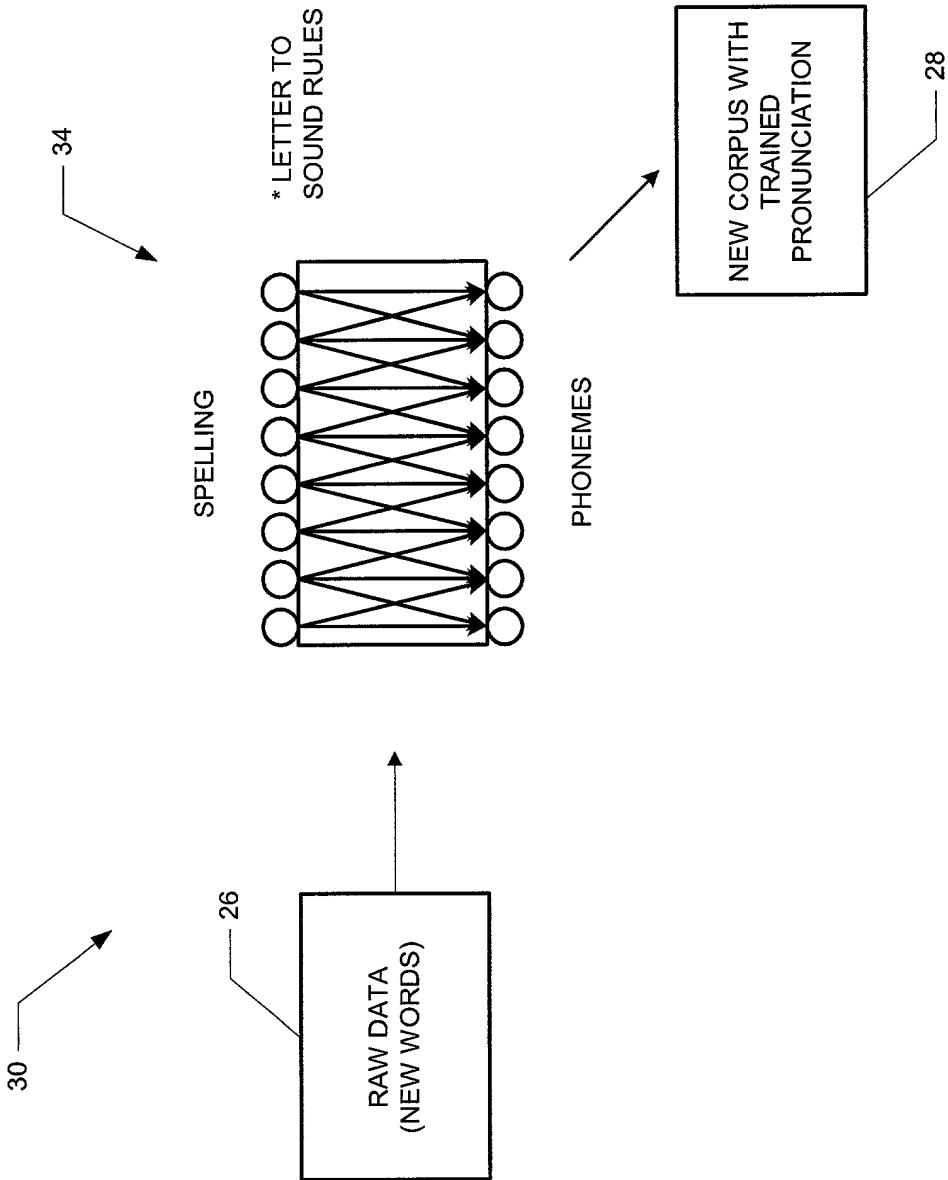


FIG. 2

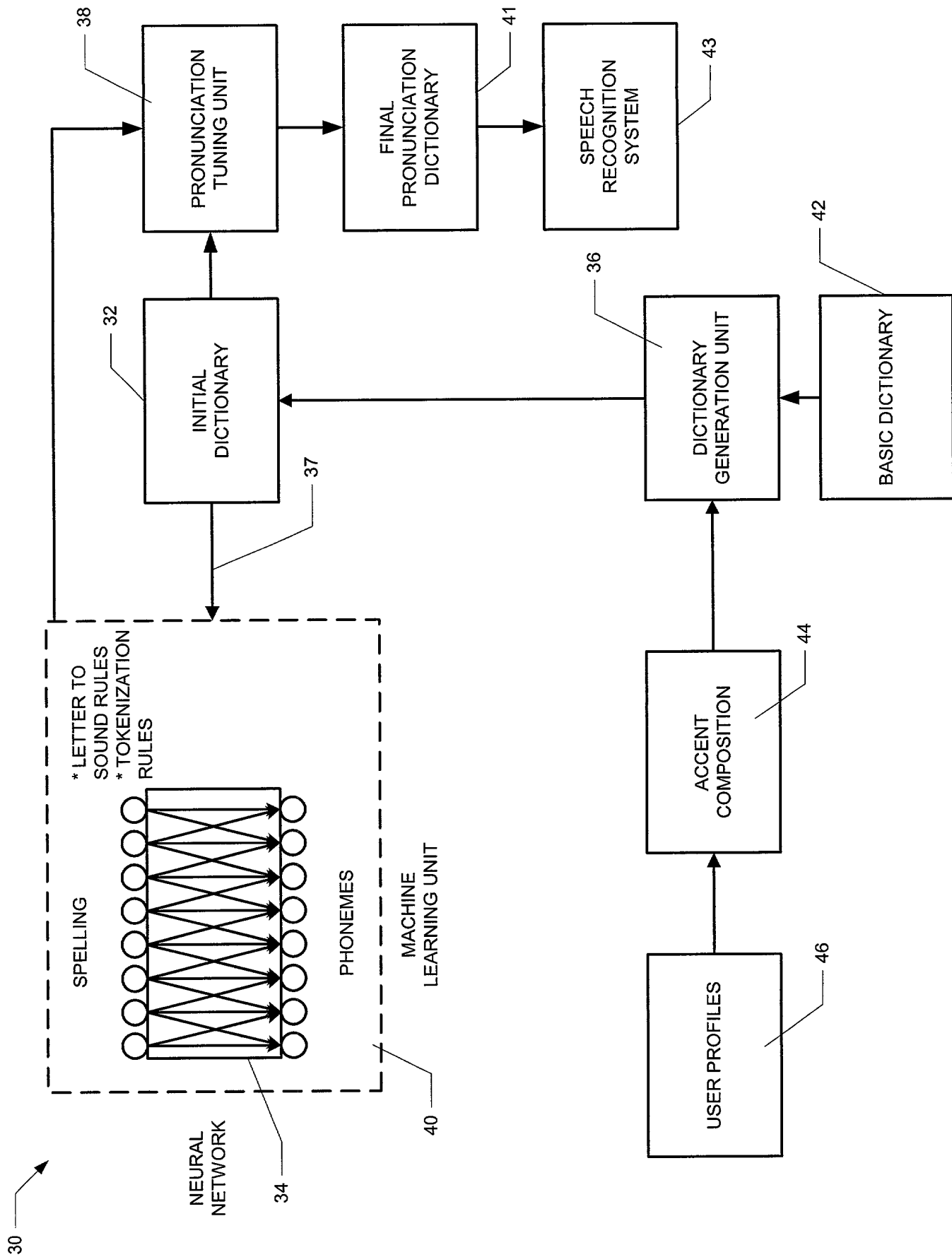


FIG. 3 is a schematic diagram of a neural network architecture for processing a letter and its context. The architecture includes an input layer (70), hidden layers (72), and an output layer (74). The input layer (70) consists of a left-context receptor, a right-context receptor, and a letter-to-be-processed receptor. The hidden layers (72) are composed of multiple layers of nodes. The output layer (74) produces a binary encoding of phonemes. The entire system is labeled 34.

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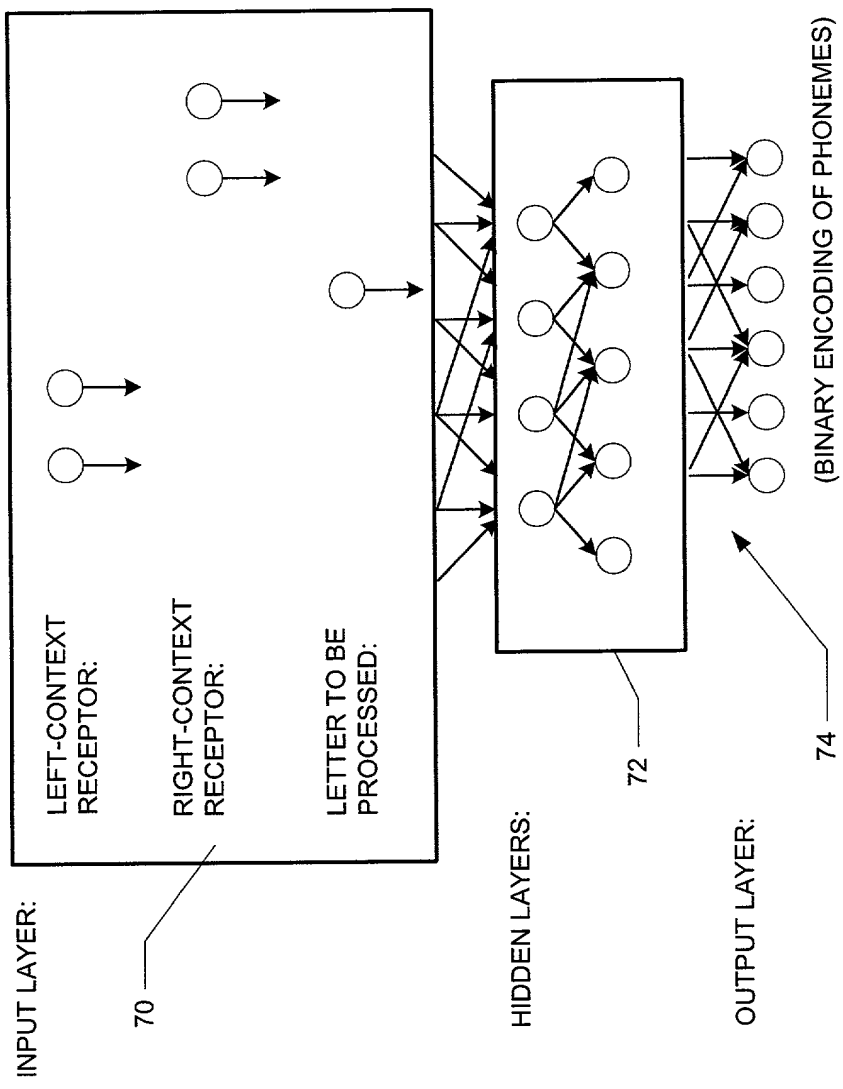


FIG. 3

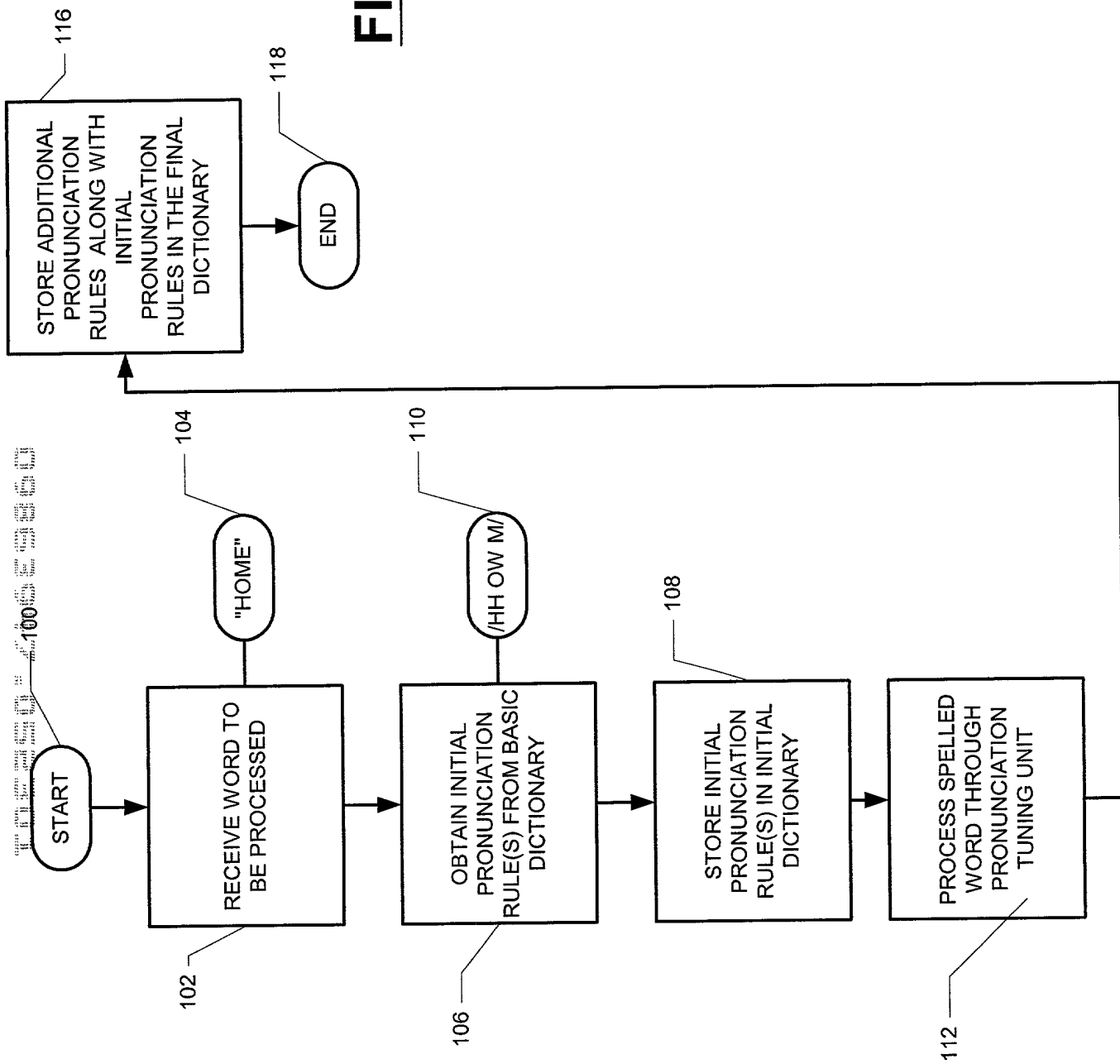


FIG. 4